

SEQUENCE LISTING

<110> Garnaat, Carl W.
Lowe, Keith S.
Roth, Bradley A.

<120> ZmAxig1 Polynucleotides and Methods of
Use

<130> 1016

<150> US 60/217,942

<151> 2000-07-13

<160> 21

<170> FastSEQ for Windows Version 3.0

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<212> DNA

<213> Zea mays

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<221> CDS

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acgcacatga ccgcagtgcg cgcggggctg atcaagggaag agtgatcgg atg gag ctg      178
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gag ctc ggg ctc gcg ccg ccg aac ccg cat cag ccg ctg gct gcc gcc      226
Glu Leu Gly Leu Ala Pro Pro Asn Pro His Gln Pro Leu Ala Ala Ala
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gcc gag ttc gtc ggt ctc ctc agc agc tcg gct ggc tcg tgc ggg aac      274
Ala Glu Phe Val Gly Leu Leu Ser Ser Ser Ala Gly Ser Cys Gly Asn
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aag agg gtt ctc ggc gac gcg ttc ggg gcc gcc aag gcg gcc acg ctt      322
Lys Arg Val Leu Gly Asp Ala Phe Gly Ala Ala Lys Ala Ala Thr Leu
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ccg ctc ttc gtc tgc gag gat ggc gac gga ggc ggc ggc gac cgc gac      370
Pro Leu Phe Val Cys Glu Asp Gly Asp Gly Gly Gly Gly Asp Arg Asp
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cgc gac ggc gtc gtc gac cat gaa cag caa agc aac aat gta ccc agg      418
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706720-633660

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agc tgc ggc ggc ggg tac gtg aag gtg aag ctg gaa ggg gtg ccc atc	514
Ser Cys Gly Gly Gly Tyr Val Lys Val Lys Leu Glu Gly Val Pro Ile	
100 105 110 115	
ggg cgg aag gtg gac gtg tcc atc cac ggc tgc tac cag gag ctg ctc	562
Gly Arg Lys Val Asp Val Ser Ile His Gly Ser Tyr Gln Glu Leu Leu	
120 125 130	
cgc acg ctc gag agc atg ttc cct tgc ggt aac caa caa gat cat gca	610
Arg Thr Leu Glu Ser Met Phe Pro Ser Gly Asn Gln Gln Asp His Ala	
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gaa gac gag gtg gtg gtc tgc cac gag cgc cgc cgt cgc cat cct tat	658
Glu Asp Glu Val Val Val Ser His Glu Arg Arg Arg Arg His Pro Tyr	
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Val Val Thr Tyr Glu Asp Gly Glu Gly Asp Trp Leu Leu Val Gly Asp	
165 170 175	
gat gtg ccg tgg gag gtc ttt gtc aag tca gtg aag cgg ctc aag ata	754
Asp Val Pro Trp Glu Val Phe Val Lys Ser Val Lys Arg Leu Lys Ile	
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Cys Gly Asn Lys Arg Val Leu Gly Asp Ala Phe Gly Ala Ala Lys Ala	
35 40 45	
Ala Thr Leu Pro Leu Phe Val Cys Glu Asp Gly Asp Gly Gly Gly Gly	
50 55 60	
Asp Arg Asp Arg Asp Gly Val Val Asp His Glu Gln Gln Ser Asn Asn	

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			85					90						95	
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Val	Pro	Ile	Gly	Arg	Lys	Val	Asp	Val	Ser	Ile	His	Gly	Ser	Tyr	Gln
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Glu	Leu	Leu	Arg	Thr	Leu	Glu	Ser	Met	Phe	Pro	Ser	Gly	Asn	Gln	Gln
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Asp	His	Ala	Glu	Asp	Glu	Val	Val	Val	Ser	His	Glu	Arg	Arg	Arg	Arg
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His	Pro	Tyr	Val	Val	Thr	Tyr	Glu	Asp	Gly	Glu	Gly	Asp	Trp	Leu	Leu
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catagtggga	aagtgtacta	actcctcctca	tgcagaaaga	ggtgtggtat	acctaacaaa	3060
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<212> DNA

<213> Zea mays

<400> 6

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<210> 7

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<213> Artificial Sequence

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<210> 8

<211> 29

<212> DNA

<213> Zea mays

<400> 8

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<210> 9

<211> 29

<212> DNA

<213> Zea mays

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<210> 10
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 <212> DNA
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 <400> 10
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 <210> 11
 <211> 36
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 <213> Zea mays

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 <212> DNA
 <213> Zea mays

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 <210> 14
 <211> 22
 <212> DNA
 <213> Zea mays

 <400> 14
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 <400> 15
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 <210> 16
 <211> 1309
 <212> DNA

<213> Zea mays

<400> 16

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<213> Zea mays

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<400> 20

-8-

